 	Claims	

Application No.	Applicant(s)	
10/630,614	NOGAKI, HISAMI	
Examiner	Art Unit	
Hau V Phan	3618	

	Rejected	_	(Through numeral) Cancelled
:	Allowed	÷	Restricted

N	Non-Elected	
-	Interference	

A	Appeal
0	Objected

Claim								•		_					_				•	_	_
1 1	Cla	im		_		اا	Dat	e	,				Cla	im			_	ا	Dat	e	_
2   2   =	Final	Original	9/14/04										Final	Original							
3   3   =   0   0   0   53   54   0   0   0   55   55   55   0    0   0   0   0   0   0   0   0   0   0   0   0   0   0   0    0   0   0   0   0   0   0   0   0   0   0   0   0   0   0    0   0   0   0   0   0   0   0   0   0   0   0   0   0   0    0			=									1						T		$\vdash$	T
4 5 =			=									]									T
4   5   =   0    0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0	3	3	=							L.		]									Ι
55   6   =   1   56   57   57   57   57   57   58   59   9   10   58   9   59   9   10   10   11   11   12   12   13   12   13   13   14   14   15   15   16   16   17   18   16   63   13   14   14   15   15   16   17   18   18   19   19   20   19   20   10   70 <td><u> </u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>L</td> <td></td> <td>I</td>	<u> </u>									L											I
6   7   =   1   57   58   58   58   59   59   10   59   10   10   11   11   12   12   13   14   14   15   15   16   12   13   14   14   15   15   16   16   17   17   18   18   19   19   20   21   22   23   22   23   23   24   24   25   25   26   27   27   28   29   29   30   31   31   32   33   34   34   35   36   36   37   38   38   39   39   40   39   30   31   34   34   35   36   36   37   37   38   38   39   39   44<					_		<u> </u>	L		<u> </u>					Щ			L	<u> </u>		l
7   8   =			-			L	L	_	_	<u> </u>		1			Щ	_	_	_	匚	<u> </u>	ļ
8   9   =   59   60     10   11   =   60   60     11   12   =   62   62     12   13   =   63   63     13   14   =   66   66     15   16   =   66   66     17   18   =   66   67     18   19   =   68   69     19   20   =   70   70     20   21   =   72   72     22   23   =   74   74     24   25   =   76   75     26   27   =   77   77   77     28   29   =   78   80   80     30   31   =   88   80   80     33   34   =   88   85   85     35   36   =   88   88   89     39   40   =   90   90   90			_	_	<u> </u>	┞	<u> </u>	L	╙	L	_								_	<u> </u>	ļ
9 10 =			-	<u> </u>	<b> </b> _	_	_	<u> </u>	<u> </u>	_	_				Ш		_	_	L	<u> </u>	ļ
10   11   =   61   62     11   12   =   63   63     13   14   =   65   65     15   16   =   66   66     16   17   =   66   67     18   19   =   68   69     19   20   =   70   70     20   21   =   71   72   72     21   22   =   74   74   74   74     24   25   =   76   77			_	$\vdash$	<u> </u>	├-	_	_	<u> </u>	<u> </u>	_	Į .			Ш		_		<u> </u>	<u> </u>	╀
11   12   =   62   63     13   14   =   64   64     14   15   =   66   65     15   16   =   66   67     17   18   =   68   69     19   20   =   70   70     20   21   =   71   72     21   22   =   73   73     23   24   =   74   74     24   25   =   75   75     25   26   =   77   77     27   28   =   77   78     28   29   =   79   80     30   31   =   81   81     31   32   =   82   83     33   34   =   84   84     34   35   =   86   86     35   36   =   88   88     38   39   =   90			_	$\vdash$	┝	├	⊢	┢	<u> </u>	<u> </u>	-				$\vdash$		ļ	<u> </u>	_	_	╀
12   13   =   63   64   64   65   65   65   65   65   65   66   67   67   67   67   67   67   67   68   68   68   69   70   70   70   70   70   70   71   71   72   72   72   73   73   73   73   73   74   74   74   74   74   74   74   74   74   74   74   74   74   74   74   74   74   74   77   77   77   77   77   78   78   80   80			-		├	H		┢	⊢	<del> </del>	-	-			Н	_	⊢	⊢	-	-	╀
13   14   =   64   65     14   15   =   66   66     15   16   =   66   66     17   18   =   68   68     18   19   =   69   70     19   20   =   70   70   70     20   21   =   77   71   71   71   72   72   72   72   72   72   72   72   73   73   74   75   75   75   75   75   75   76   76   76   77			-		$\vdash$	-	-	⊢	⊢		$\vdash$	1			Н	_	<del> </del>	⊢	⊢	$\vdash$	╁
14   15   =   65   66     15   16   =   66   66     17   18   =   68   68     18   19   =   69   70     20   21   =   70   71   72     21   22   =   72   72   72   73   73   73   74   75   75   75   75   75   77   77   77   77   77   77   77   77   77   77   78   80   80   80   80   80   80   81   81   81			_		$\vdash$			-			-	ł	-		Н	_	┝	⊢	-	H	╁
15   16   =   66   67     16   17   =   68   68     18   19   =   68   69     19   20   =   70   70     20   21   =   71   71     21   22   =   72   72     22   23   =   73   73   73     23   24   =   74   74   74   74     24   25   =   75   75   75   75   75   75   76   77   77   77   77   77   77   77   77   77   77   77   77   77   77   77   77   77   77   77   79   79   79   80   80   80   30   31   81   31   32   83   81   31   32   83   83   83   83   33   33   34   84   84   84   84   84   85   85   85   86   86			-		-	┢	┢	┢	┝	┢	⊢	1			Н		┝	┢	$\vdash$	⊢	t
16   17   =  <td></td> <td></td> <td>⊢</td> <td></td> <td><math>\vdash</math></td> <td>-</td> <td>-</td> <td><math>\vdash</math></td> <td>H</td> <td>┢</td> <td>┝</td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td>├</td> <td><math>\vdash</math></td> <td>┢</td> <td>┢</td> <td>t</td>			⊢		$\vdash$	-	-	$\vdash$	H	┢	┝				-		├	$\vdash$	┢	┢	t
17   18   =				$\vdash$	Н	$\vdash$	$\vdash$	$\vdash$	一	$\vdash$	┢				-			-	-	⊢	t
18   19   =			-	-			$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\vdash$						$\vdash$	$\vdash$	-	⊢	t
19   20   =   70   71     20   21   =   71   71     21   22   =   72   73     23   24   =   74   74     24   25   =   75   75     25   26   =   76   76     26   27   =   77   78   78     28   29   =   79   80   80   81   81   81   81   81   83   83   83   83   83   83   83   83   83   83   83   83   84   84   84   84   84   84   84   85   85   86   86   86   86   86   86   86   86   87   87   87   87   87   87   87   88			├		$\vdash$	<u> </u>		H	H	H	┢						_	$\vdash$	-	┢	t
20   21   =			=			Т	$\vdash$	┢	$\vdash$	<u> </u>	$\vdash$						-	-	$\vdash$	$\vdash$	t
21   22   =   72   73     22   23   =   74   74     24   25   =   75   75     25   26   =   76   77     27   28   =   77   77     28   29   =   79   80     30   31   =   80   80     30   31   =   82   82     32   33   =   82   83     33   34   =   84   84     34   35   =   86   86     35   36   =   88   88     38   39   =   90   90     41   91   91   92     43   93   94   94     44   94   95   96     47   97   97   97     48   99   99   99			=		$\vdash$			$\vdash$	$\vdash$	Г	$\vdash$	١.						┢			t
22   23   =   1   73   74   1   74   1   74   1   74   1   74   1   75   1   75   1   75   1   76   1   76   1   77   1   77   1   77   1   77   1   77   1   77   1   1   77   1   1   77   1   1   1   77   1 <td></td> <td></td> <td>=</td> <td></td> <td></td> <td></td> <td></td> <td>T</td> <td>Г</td> <td><u> </u></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Т</td> <td>┪</td> <td><math>\vdash</math></td> <td><math>\vdash</math></td> <td>t</td>			=					T	Г	<u> </u>	_						Т	┪	$\vdash$	$\vdash$	t
23   24   =   1   74   1   75   75   75   75   76   76   76   77   77   77   77   77   77   77   77   77   77   77   78   78   79   79   79   79   79   79   79   79   80   83   83   83   83   83   83   83   83   83   83   83   83   84   84   84   84   84   84   86   86   86   86   87   87   87   87   88   88   89   89   89   89   99   90   90   90   90			=								Т						Т	┌			t
25   26   =			=						Г	П				74							T
26   27   =   1   77   78   78   78   78   78   79   7		25	ı																		T
27   28   =			=									]		76							Ι
28   29   =   79   80     30   31   =   81   81     31   32   =   82   83     32   33   =   84   84     34   35   =   86   86     35   36   =   86   87     37   38   =   88   88     39   40   =   90   90     41   90   91   91     42   92   93   93     44   94   94   94     45   96   96   97     48   99   99   99			=		L		L					]									Γ
29   30   =   80   81     30   31   =   82   83     31   32   =   83   83     32   33   =   83   84     34   35   =   85   85     35   36   =   86   86     37   38   =   88   88     39   40   =   90   90     41   91   91   91     42   92   93   94     43   94   94   94     44   94   96   96     47   97   98   98     48   99   99   99			=			L_	L		_	$oldsymbol{ol}}}}}}}}}}}}}}}}}}$	L										L
30   31   =   81   82     31   32   =   83   83     32   33   =   83   84     34   35   =   85   85     35   36   =   86   87     37   38   =   88   88     39   40   =   90   90     41   91   91   91     42   92   93   94     43   94   94   94     44   94   95   96     47   97   98   99					_		L	_	_	_	L								L		L
31   32   =   82   83     32   33   =   83   84     34   35   =   85   85     35   36   =   86   87   87     37   38   =   88   88   88   89   90   90   90   90   90   91   91   91   92   93   94   94   94   94   94   94   94   94   95   96   96   96   97   97   98   98   99   90				_		_	_	<u> </u>	<u> </u>	L	匚								_	_	L
32   33   =   83   84     33   34   =   85   85     35   36   =   86   87     37   38   =   88   88     38   39   =   88   89     39   40   =   90   91     41   91   92   93     43   94   94   94     45   95   96   96     47   98   98   99					_		<u> </u>	_	<u> </u>	_	_							_	<u> </u>	_	Ļ
33   34   =						<u> </u>	<u> </u>	<u> </u>	<u> </u>	_	_							<u> </u>	<u> </u>	_	Ļ
34   35   =   85   86     35   36   =   86   87     37   38   =   88   88     38   39   =   90   90     41   90   91   91     42   92   92   93     43   93   94   94     44   94   95   96     46   96   97   97     48   99   99   99			-			_	<u> </u>	┡	┡									<u> </u>	<u> </u>	_	Ļ
35   36   =   86   87     36   37   =   87   88     37   38   =   88   88     39   40   =   90   90     41   91   91   91     42   92   92   93     43   93   94   94     45   95   95   96     46   96   97   97     48   98   99   99			-	$\vdash$	<u> </u>	<del> </del>	<del> </del>	⊢	⊢	-					$\vdash \vdash$		_	$\vdash$	-	-	╀
36   37   =   87   88     37   38   =   88   88     39   40   =   90   90     41   90   91   91     42   92   92   93     43   93   93   94     44   94   95   95     46   96   97   97     48   98   99   99			_		_	-	$\vdash$	-	$\vdash$	$\vdash$	_				$\vdash$		_	$\vdash$	$\vdash$	-	╀
37   38   =   88   89     38   39   =   90   90     39   40   =   90   91     41   91   92   92     43   93   93   93     44   94   94   94     45   95   96   96     47   97   97   98     48   99   99   99	36		_	_	-	<del>  </del>			-	$\vdash$	_				$\vdash$		_	-	$\vdash$	├	╀
38 39 = 89 90   39 40 = 90 91   41 91 92 92   43 93 93   44 94 94   45 95 96   47 97 97   48 98 99				_	<u> </u>	$\vdash$	$\vdash$		-	$\vdash$	<u> </u>				$\vdash$		-	-	-	$\vdash$	H
39   40   =   90   91     41   91   92   92     43   93   93   93     44   94   94   94     45   95   96   96     47   97   97   98     48   99   99   99			_		-	<del>  -  </del>	├		<u> </u>	$\vdash$	-				$\vdash$	-		-	-	<del> </del>	H
41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98   49 99		40		-	-		-	┢	$\vdash$	<del>                                     </del>	-		$\dashv$		$\vdash$		_		┝	$\vdash$	H
42   92     43   93     44   94     95   95     96   97     48   98     49   99	٣		Н		_		┰	H	Ι	$\vdash$				91	$\vdash$		Н		$\vdash$	$\vdash$	t
43 93   44 94   45 95   46 96   47 97   48 98   49 99			П					Т	Т	П	Г				$\vdash$			一	$\vdash$	$\vdash$	t
44   94     45   95     46   96     47   97     48   98     49   99	Ì					_	Т	Г	Г	$\vdash$				93	$\vdash$	_			t	$\vdash$	T
45 95 96 96 97 97 97 98 98 99 99 99 99 99 99 99 99 99 99 99							Г	Г			Г				$\Box$					Г	T
46 96 97 97 97 48 98 98 99 99 99 99 99 99 99 99 99 99 99															$\Box$				Γ	Г	T
47 97 98 98 99 99 99 99 99 99 99 99 99 99 99																					T
48 98 99 99		47												97							Γ
49 99 99														98							Γ
50														99							Γ
	L	50				$oxedsymbol{oxed}$			L	$oxed{\Box}$				100							Ĺ

Cla	aim	Г				Date	 e			_
		-	1	П			ř-		Г	Г
Final	Original									
	51 52								匚	
<b> </b>	52	[ _	Γ_	Γ_	ل_ آ		Γ_		Γ_	Γ_
	53		$\vdash$	Г					$\vdash$	Г
	54	$\vdash$	$\vdash$	一	-	$\vdash$		$\vdash$	<del> </del>	┢
-	54 55	├─	$\vdash$	╁	H	$\vdash$	$\vdash$	$\vdash$	┢	$\vdash$
$\vdash$	56	⊢	⊢	├	$\vdash$	$\vdash$	$\vdash$	H	$\vdash$	⊢
-	57	$\vdash$	⊢	₩	$\vdash$	$\vdash$		$\vdash$	$\vdash$	⊢
	58	$\vdash$	├-	⊢	$\vdash$	$\vdash$	-	$\vdash$	⊢	⊢
	59	₩	├	$\vdash$	$\vdash$	$\vdash$	$\vdash$	H	⊢	₩
$\vdash$	60	₩	├-	⊢	$\vdash$	$\vdash$	$\vdash$	-	H	$\vdash$
-	61	├─	⊢	├	$\vdash$	$\vdash$	$\vdash$		$\vdash$	<u> </u>
	61	├─┤	⊢	⊢	H	-	-	H		<u> — </u>
$\vdash$	62 63	⊢	⊢	_	Н	$\vdash$	$\vdash$	$\vdash$	$\vdash$	<b>—</b>
	03	$\vdash$	⊢	<u> </u>	$\vdash\vdash$	$\vdash$	Ш	$\vdash$	Ш	<u> </u>
$\vdash$	64	╙	├-	_	Ш	Н	$\vdash$	<u> </u>	lacksquare	$\vdash$
$\vdash$	65	<u> </u>	<u> </u>	<u> </u>	Ш	Н			$\vdash$	_
$\vdash$	66	<u> </u>	-	$\vdash$	┟╌┤		$\vdash$	$\vdash$	<b> </b>	_
	67	<b>├</b> ─┤	Ш	$\vdash$	Щ	$\vdash$	Н	$\vdash$	Ш	_
$\vdash$	68 69	<b> </b>	_	_	Ш		Щ	Щ		
	69	$\sqcup$			Ш	Щ	Щ	Щ	Ш	$\sqcup$
	70	$\sqcup$		ldash	Щ	Щ	Щ	Щ	Ш	_
	71	Ш		Ш	Ш	$\vdash$		Щ		
	72	Щ	<u> </u>	$\vdash$	$\vdash$	Н	Щ	<u> </u>	ш	
	73	$\sqsubseteq$			Щ	Н	Щ	$\sqcup$	<b>—</b>	
$\vdash$	74	$\vdash$	$\vdash$	$\vdash$	$\vdash \vdash$	Н	Щ	$\vdash$	$\vdash$	
	75	$\vdash$		$\vdash$	Щ	$\vdash$	Щ	$\vdash$	$\vdash$	_
	76 77	Щ		$\vdash$	$\vdash \vdash$	Н	$\vdash$	Ш	$\vdash$	_
<b></b>	11	$\vdash \vdash$		$\vdash$	Щ		Щ	Щ	$\vdash$	
$\vdash$	78 79	$\vdash$	$\vdash$	_	$\vdash$	$\vdash$	$\vdash$	Ш	$\vdash$	
$\vdash$	1,9		$\vdash$		щ	$\vdash$	Щ	Ш	$\vdash$	_
$\vdash$	80	$\vdash$	$\vdash$	$\vdash$	Щ	$\vdash$	$\sqcup$	Ш	$\square$	<u> </u>
	81	Щ	Щ			Щ	Щ	$\square$	щ	$ldsymbol{ldsymbol{ldsymbol{eta}}}$
	82	Ш	Ш	Ш	Щ	Щ	Щ	Щ	Щ	L
	83				Ш	_	$\sqcup$	Ш	Щ	L
	84	Щ	Ш	Ш	Щ	Щ	Щ	Ш	Ш	Ш
	85	Ш	Ш		Ш	Щ				L
	86	Ш	Ш	Ш	Ш	Ш	Щ	Ш	Ш	L
	87	Щ	Ш	Ш	Щ	Щ	Щ	Ш	Щ	_
L	88	Ш	_		Ш			Ш	Щ	L_
$\Box$	89	Ш	Ш	Щ	Щ		Щ	Ш	Щ	
$\Box$	90	Ш	Ш	Ш	Ш	Ш	Щ	Ш	٢	
	91	$\square$		Ш	Ш		Щ	Ш	Щ	L
	92	Щ	Ш	Ш	Щ			Ш	Щ	L.
	93	Ш		Щ	Ш	Ш	Ш	Ш	Щ	L,
	94	Щ		Ш	Щ	Щ		Ш	Щ	Ц
$\perp$	95	$\square$	L_	Ш	Ш	Ш	Щ	Ш	Щ	
	96	Ш		$ldsymbol{ldsymbol{ldsymbol{eta}}}$	Ш		Щ		Щ	Ш
	97	Ш	Ш	Щ	Ш		Щ	Ш	Щ	L_
	98	Щ			Ш	Ш	Ш	Ш	Щ	Щ
	99	Ш	Ш	Щ	Ш	Ш	$\sqcup$	Ш	Щ	Щ
. ,	100							1 1		1

Claim   Date	
101 102 103 104 105	
103 104 105	
103 104 105	
103 104 105	
105	4-
	+
106	
106 107	+
108	$\dashv$
109	
110 111 111 112 113	
111	
112	
113	+
114 115 116 117	+-
116	+-
117	+
118	+-
119	$\top$
120 121	
121	
122	
123	-
124	
126	
127	+
122	1
129	
130	
130 131 132	
132	<u> </u>
133 134	-
135	$\dashv$
135 136	+
137	+
138 139	$\top$
139	
140	
141	
142	-
143	
145	+
146	+
147	+
148	_
149	
150	